

What is claimed is:

1. An isolated nucleic acid molecule selected from the group consisting of:
 - (a) a DNA that encodes a polypeptide comprising SEQ ID NO:2;
 - (b) DNA that encodes a fragment of the polypeptide of SEQ ID NO:2, wherein the fragment has proteinase activity;
 - (c) a DNA that hybridizes to either strand of a denatured, double-stranded DNA comprising the nucleic acid sequence of (a) or (b), wherein the hybridization conditions include 6XSSC, at 40°C with washing conditions of 60°C, 0.5XSSC, 0.1% SDS, wherein the DNA encodes a polypeptide that has proteinase activity; and
 - (d) the DNA of SEQ ID NO:1.
2. An isolated nucleic acid molecule selected from the group consisting of:
 - (a) DNA that encodes a fragment of the polypeptide of SEQ ID NO:2, wherein the fragment has disintegrin activity; and
 - (b) a DNA that hybridizes to either strand of a denatured, double-stranded DNA comprising the nucleic acid sequence of (a), wherein the hybridization conditions include 6XSSC, at 40°C with washing conditions of 60°C, 0.5XSSC, 0.1% SDS, wherein the DNA encodes a polypeptide that has disintegrin activity.
3. An isolated nucleic acid molecule that encodes a polypeptide comprising:
 - amino acids 1-27 of SEQ ID NO:2;
 - amino acids 28-197 of SEQ ID NO:2;
 - amino acids 198-398 of SEQ ID NO:2;
 - amino acids 399-502 of SEQ ID NO:2;
 - amino acids 503-692 of SEQ ID NO:2;
 - amino acids 693-714 of SEQ ID NO:2; or
 - amino acids 715-726 of SEQ ID NO:2.

4. A DNA that encodes a polypeptide that comprises an amino acid sequence that is at least 80% identical to SEQ ID NO:2, wherein the polypeptide has proteinase activity.
5. A DNA that encodes a polypeptide that comprises an amino acid sequence that is at least 80% identical to SEQ ID NO:2, wherein the polypeptide has disintegrin activity.
6. An expression vector comprising the DNA of any of claims 1-5.
7. A host cell comprising an expression vector of claim 6.
8. A polypeptide encoded by a DNA of any of claims 1-5.
9. A method for producing a polypeptide, the method comprising culturing a host cell of claim 7 under conditions that promote expression of the polypeptide.
10. The method of claim 9, further comprising recovering the polypeptide product.
11. An isolated antibody that binds to a polypeptide that consists of amino acids 1-726 of SEQ ID NO:2.
12. The antibody of claim 11, wherein the antibody is a monoclonal antibody.